

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Supply & Pollution Control Division - Biology Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

| | | |
|--------------------------|------------------------------------|------------|
| Lake: COHOOS POND | Lake Area (ha): | 6.88 |
| Town: MARLOW | Maximum depth (m): | --- |
| County: Cheshire | Mean depth (m): | --- |
| River Basin: Connecticut | Volume (m ³): | --- |
| Latitude: 43°08'56" N | Relative depth: | --- |
| Longitude: 72°11'14" W | Shore configuration: | --- |
| Elevation (ft): 1200 | Areal water load (m/yr): | --- |
| Shore length (m): --- | Flushing rate (yr ⁻¹): | --- |
| Watershed area (ha): --- | P retention coeff.: | --- |
| % watershed ponded: --- | Lake type: | artificial |

BIOLOGICAL:

28 August 1996

| | | |
|------------------------------------|----|----------------------|
| DOM. PHYTOPLANKTON (% TOTAL) | #1 | NO SAMPLES COLLECTED |
| | #2 | |
| | #3 | |
| PHYTOPLANKTON ABUNDANCE (units/mL) | | |
| CHLOROPHYLL-A (µg/L) | | |
| DOM. ZOOPLANKTON (% TOTAL) | #1 | |
| | #2 | |
| | #3 | |
| ROTIFERS/LITER | | |
| MICROCRUSTACEA/LITER | | |
| ZOOPLANKTON ABUNDANCE (#/L) | | |
| VASCULAR PLANT ABUNDANCE | | |
| SECCHI DISK TRANSPARENCY (m) | | |
| BOTTOM DISSOLVED OXYGEN (mg/L) | | |
| BACTERIA (E. coli, #/100 ml) | #1 | |
| | #2 | |
| | #3 | |

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
 Hypolimnion volume (m³) : None
 Anoxic volume (m³) : None

CHEMICAL:

Lake: COHOOS POND

Town: MARLOW

28 August 1996

| | | | | | |
|-------------------------------|--|--|--|--|--|
| DEPTH (m) | | | | | |
| pH (units) | | | | | |
| A.N.C. (Alkalinity) | | | | | |
| NITRATE NITROGEN | | | | | |
| TOTAL KJELDAHL NITROGEN | | | | | |
| TOTAL PHOSPHORUS | | | | | |
| CONDUCTIVITY (μ mhos/cm) | | | | | |
| APPARENT COLOR (cpu) | | | | | |
| MAGNESIUM | | | | | |
| CALCIUM | | | | | |
| SODIUM | | | | | |
| POTASSIUM | | | | | |
| CHLORIDE | | | | | |
| SULFATE | | | | | |
| TN : TP | | | | | |
| CALCITE SATURATION INDEX | | | | | |

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 1996

D.O. S.D. PLANT CHL TOTAL CLASS

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

COMMENTS:

1. No samples were collected. Cohoos Pond is a wide, shallow, weedy area in the Ashuelot River.
2. This is listed as a wetland in DES' lakes database; it is not considered to be a pond.